

ABSTRACT

A signal output circuit that can decrease the current consumption while securing the base current of an output transistor of an NPN type bipolar transistor is provided. This signal output circuit 2 comprises an output transistor 10 of the NPN type bipolar transistor, a ground side output control transistor 11 of which turning ON turns OFF the output transistor 10, a base current supply resistive element 12 for supplying current to the base of the output transistor 10, a power supply side output control transistor 13 which is inserted between the base current supply resistive element 12 and the base of the output transistor, a ground side current bypass transistor 14 which turns ON and OFF in the same way as the ground side output control transistor 11 according to the input signal so that turning ON allows the current of the base current supply resistive element 12 to flow, and a current limitation resistive element 15 which is inserted between the ground side current bypass transistor 14 and the base current supply resistive element 12.